Well

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

	Aztec Oil & (Gas Company	Le	ease Cham	nberlain	No#1	
Location		14 m 72 M	omth D	. 10 1	José G	Com Tuon	
of Well: Uni	it_H_Sec	14 Twp. 32 N	orth Rge	Not had	est Count	Prod. Medium	
	Name of Decomposition on Decis						
Unnon	Name of Reservoir or Pool		(Ull or Gas)	(FIOW OF	Art. Liit)	(Tbg. or Csg.)	
Upper	Blanco Mesa Verde		Gas	F1	Low	Casing	
Completion Lower	Branco Mesa Verde		Ua3		LOW	Casing	
Completion	Basin Dakota		Gas	F1	LOW	Tubing	
ombrerroul	Dasin Dakota	च चलव	.'		LOW	Tubling	
177	1-4		LOW SHUT-IN PRI			[C+-1:1:40	
pper Hour, date Length			of t-in 72 Hours	SI pres		Stabilized?	
Jompi Snut-				s psig		(Yes or No) Stabilized?	
Lower Hour, C		Length	OI ★ ≛ 72 Hours	SI pres	477	1 .	
Compl Shut-	-1n /-11-	time snu	t-in 72 Hours	b psig	477	(Yes or No)	
	/1 3-1-X	7 1 4 7	FLOW TEST NO	J. 1	and was a / Mara	WX or Lower):	
Johnnenced at	(nour, date)	* 7-14-7 Pres	0	Prod. Zone	Oductus (MM	ex or Lower):	
Time	Lapsed time	Umman Campl	Lower Compl.	Town	De	emarks	
(hour, date)	since*	Opper Compr.	rower compr.	Temb.	ne	emarks	
7 10 76		164	477				
7-12-76	 	464	477				
7 17 77		176	401				
7-13-76	+	476	491				
7 11 74		107	400				
7-14-76	 	487	499				
7-15-76		487	313				
1-13-10	+	40/	313				
7-16-76		488	307				
7-10-70	 	400	307	 			
Production re	ate during te	<u></u>		l			
	BOPD be		Rhls. in	Hrs	S. G1	ravGOR	
711.	DOLD DO	WCFPD. Tested	thru (Orifice	or Meter).	·	~	
, as			EST SHUT-IN PRI				
Unner Hour	iate	Length		SI pres	35.	Stabilized?	
	pper Hour, date Length of			psig		(Yes or No)	
Lower Hour, o		Length		SI pres		Stabilized?	
Compl Shut-		time shu		osig		(Yes or No)	
Joinpal Bildo			FLOW TEST N				
Commenced at	(hour, date)		 	Zone pr	roducing (Up)	oer or Lower):	
Time	Lapsed time	Pres	sure	Prod. Zone			
(hour, date)			Lower Compl.	Temp.	Re	emarks	
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Production ra	ate during te	st				The second secon	
Oil:	BOPD b	ased on	Bbls.in_	Hrs.	Grav	GOR	
Gas:		MCFPD; Tested	thru (Orifice	or Meter):	· · · · · · · · · · · · · · · · · · ·		
							
REMARKS:							
· 19							
				-			
I hereby cer	tify that the	information h	erein containe	d is true a	nd complete	to the best of my	
knowledge.						\bigcirc	
_	144		Operat	or <u>Aztec (</u>	Oil & Gas Cor	mpaziy	
Approved:	JUL 9	19				1//	
New Mexico	Oil Conservat	ion, Commission	Ву	X	1/ am	Kyan	
m	com,	• all				0	
Ву	6 Illahurt	<u> </u>	$\underline{}$ Title	Distri	ct Production	n Manager	
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Fitle F	marical property	tavaran eritaria 30.	Date	August	6, 1976		
							

- It packer leakage test shall be commenced as seen multiply completed well, within seven days after actual completion of the well, and admostly the after as prescribed by the order custorizing the multiple completion, such tests shall also be commenced at all softlyne completions within seven days following recompletion and or chemical or fracture clearance, and thenever remedial work has been done on a well during which the moster or to tubing have been disturbed. Tests shall also be taken as any like communication is suspected or when requested by the lomministic.
- 2. At least 72 hours prior to the commencement of any prisor obtake test the operator shall notify the domains on the witting of the stall of the less is to be commenced. Offset operations will shall be so does not to.
- o. The packer lenkage test shall commence when note mones of to decrease settion are shut-in for pressure stabilization. Buts whose size it shall be shall in the well-head pressure in each assettabiling from now yer, that they need not remain shut-is more than sever days.
- 4. For Flow feet No. 1, one zone of the deal despitition hould be , at the formal rate of production whose the observation featiff is those test shall be obtained for selections of the above of a solution of the observation in the above of a scalar collection of a scalar collection of the collection of the observation of a scalar collection of the coll
- Pollowing completion of file-field mode, the wear anxiety go for each of second mode with dark graph 2 large
- Storiow Test No. 2 Stail be conducted easy thought as each 428 of the during clos Test so I conductable as that less No. 2 to 36 hr or as an above the a except that he provides to a conductable as a shuffer while the consequence of some which was also some possible in the provides and shuffer while the consequence of some which was also some possible in the provides to the consequence of the consequence of the conductable of the consequence of the conductable of th

- Lemma 1. The state of the sensured on each zone of terms of the sensured on each zone of terms of the lead of the sensured on each flow-period at fifteen-ealing intervals as rollows; 3-hour bead of intervals as ring the first hour thereof, and at hourly intervals thereafteen, toolkeding one pressure measurement immediately prior to the conclusion of each flow period. They can be used intelly prior to the conclusion of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, on the pressure of the conclusion of each flow period. Other pressures may be taken as desired, on the pressure of the conclusion of the conclusion of the pressures may be taken as desired.
- Sign is all zone tests: all pressures, throughout the entire test of in the infinite sign and and recorded with recording pressure person of a country of a shirter base the checked at least twice, order the corp. The must base at the end of each test, with a deadweight pressure the person of the religious of the religious pressure of the person of th
- The results of the above-described tests shall be filed in tribulous to the above-described tests shall be filed in tribulous to the file tests shall be file in a carrier of the configuration of the file tests shall be file to a carrier of the file tests of the filed tests of the fi

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NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Commission.
- 2. At least 72 hours prior to the commencement of any packer leakage test the operator shall notify the Commission in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
- 3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
- 4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: If, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 5. Following completion of Flow Test No. 1, the well shall again be shutin, in accordance with Paragraph 3 above.
- 8. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.
- 7. Prehars for gas-zone tests must be measured on each some with a deadweight pressure gauge at time intervals as follows: 3-hour tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.
- 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
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 8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Commission on Northwest New Mexico Packer Leakage Test Form Revised 11-158, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

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